

Converting Colors

XYZ(41.8677, 22.1791, 3.1761)

Have a look what the booklet for
XYZ(41.8677, 22.1791, 3.1761)
contains.

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Color

**XYZ(41.8649, 22.1743,
3.1722)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1C1C
RGB	255, 28, 28
RGB Percent	100%, 11%, 11%
CMY	0.0000, 0.8901, 0.8902
CMYK	0.00, 0.89, 0.89, 0.00
HSL	0°, 100%, 55%
HSV	0°, 89%, 100%
XYZ	41.8649, 22.1743, 3.1722
YIQ	95.8730, 135.2920, 48.1240

Conversions

Conversions Part 2

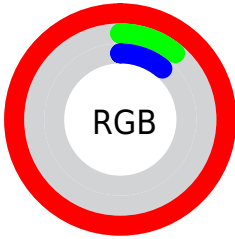
Format	Color
R_{YB}	255, 28, 28
Decimal	16718876
CIE Lab	54.21, 77.79, 59.51
CIE LCh	54, 97.947, 37.417
Yxy	22.1743, 0.6229, 0.3299
Android (android.graphics.Color)	4294908956 (0xFFFF1C1C)
YUV	95.8730, -33.4614, 139.5544
Hunter-Lab	47.0896, 76.2882, 28.9686

Details

The XYZ color **41.8649, 22.1743, 3.1722** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **54.2792, 78.9675, 106.9886**, and the grayscale version is **11.1468, 11.7273, 12.7710**.

A 20% lighter version of the original color is **47.5299, 31.6965, 10.6341**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2810, 21.3204, 2.0113**, and if you desaturate by 10%, it is **43.1913, 24.1162, 5.8074**.

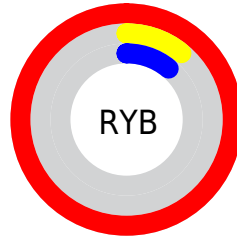
Distribution



Red (100%)

Green (11%)

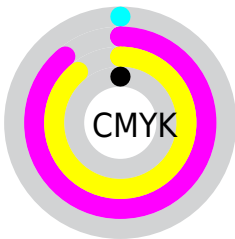
Blue (11%)



Red (100%)

Yellow (11%)

Blue (11%)

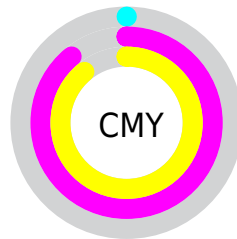


Cyan (0%)

Magenta (89%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8649, 22.1743, 3.1722 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.8649, 22.1743, 3.1722 by changing the saturation by 10% instead.


 41.8649, 22.1743,
3.1722


 41.8649, 22.1743,
3.1722


344.9238,
263.4552, 138.5245


 29.1862, 13.9850,
1.1832


 77.2616, 47.0339,
12.0505


 19.3667, 8.1103,
0.0000


 100.7102, 64.4730,
19.7769

 12.0411, 4.1656,
0.0000


 128.4795, 85.7642,
30.2528

 6.8441, 1.7666,
0.0000

 160.9349,
111.2919, 43.8968

 3.4102, 0.4662,
0.0000

 198.4416,
141.4404, 61.1274


 1.3742, 0.0000,
0.0000

 241.3651,


 0.2378, 0.0000,


176.5942, 82.3632


0.0000


 290.0707,
217.1377, 108.0227


 0.0000, 0.0000,
0.0000


 41.8649, 22.1743,
3.1722


 41.8649, 22.1743,
3.1722


 41.2810, 21.3204,
2.0113


 43.1913, 24.1162,
5.8074

 41.2401, 21.2606,
1.9301

 45.4488, 27.4199,
10.2946

 48.7669, 32.2754,
16.8901

 53.2541, 38.8416,
25.8100

 59.0055, 47.2575,
37.2432

66.1065, 57.6483,
51.3598

74.6350, 70.1279,
68.3146

84.6632, 84.8017,
88.2509

95.0498, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5778, 22.1743, 17.3416



41.8649, 22.1743, 3.1722



29.9518, 22.1743, 0.2119

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.8649, 22.1743, 3.1722



7.2653, 22.1743, 7.9066



23.8294, 22.1743, 141.3605

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.8649, 22.1743, 3.1722



54.2792, 78.9675, 106.9886

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.1537, 22.1743, 128.7499



41.8649, 22.1743, 3.1722



6.5995, 22.1743, 32.5267

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.8649, 22.1743, 3.1722



10.9270, 22.1743, 1.1019



8.6429, 22.1743, 80.1290



36.1152, 22.1743, 107.0121

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8649, 22.1743, 3.1722



22.0119, 22.1743, 0.0000



8.6429, 22.1743, 80.1290



20.1670, 22.1743, 142.7644

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.8654, 22.1757, 3.1725



67.7113, 59.9964, 54.5497



59.7049, 29.3104, 97.1179



13.9195, 12.0025, 10.5358



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.8654, 22.1757, 3.1725



41.2404, 21.2607, 1.9301



51.0482, 40.5414, 6.2335



18.0096, 17.9875, 18.6671



21.5491, 11.1093, 1.0086



2.0982, 1.0818, 0.0982

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.2792, 78.9675, 106.9886



53.7994, 78.7188, 106.9665



28.1277, 26.6645, 98.2715



18.5547, 20.4811, 23.2253



28.1114, 41.1325, 55.8923



2.7372, 4.0051, 5.4421

Previews

White Background



This preview shows how the XYZ color 41.8649, 22.1743, 3.1722 looks on a white background.

Color Contrast Check

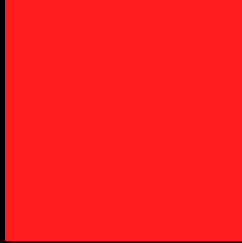
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.8649, 22.1743, 3.1722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8649, 22.1743, 3.1722

Background



This preview shows how black text looks on a background with the XYZ color 41.8649, 22.1743, 3.1722.



This preview shows how white text looks on a background with the XYZ color 41.8649, 22.1743,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.8649, 22.1743, 3.1722

Protanopia

20.2354, 22.2153, 6.2391

Deuteranopia

22.5175, 22.3078, 3.1190



Tritanopia

41.8147, 22.1929, 2.7892

Trichromacy



Original Color

41.8649, 22.1743, 3.1722

Protanomaly

24.3399, 18.3102, 4.4419

Deuteranomaly

26.6531, 19.0370, 2.5569

Tritanomaly

41.8442, 22.2047, 2.9446

Monochromacy



Original Color

41.8649, 22.1743, 3.1722

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

16.7170, 11.8314, 7.3638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8649, 22.1743, 3.1722 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 28, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 28)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 28, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 28) }
```

Border

The CSS property to change the border of an element to XYZ 41.8649, 22.1743, 3.1722 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 28, 28) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 28, 28) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 28, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8649, 22.1743, 3.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 28) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 28,  
28) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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